



# STIC Search Report

## EIC 3700

STIC Database Tracking Number: 137541

**TO:** Andres Kashnikow  
**Location:** RND 8a29  
**Art Unit:** 3700  
**Wednesday, November 10, 2004**  
**Case Serial Number:** 10/811796

**From:** Terry Solomon  
**Location:** EIC 3700  
RND 8b31  
**Phone:** 272-3509  
**[terrance.solomon@uspto.gov](mailto:terrance.solomon@uspto.gov)**

### Search Notes

No litigation found on US Pat. 5897316.

Sources: Lexis/Nexis and Questel-Orbit

**SEARCH REQUEST FORM**

Scientific and Technical Information Center

Requester's Full Name: Andy Kashnikow Examiner #: 60484 Date: 11/10/04  
 Art Unit: 3702 Phone Number 303-1137 Serial Number: 10811,796  
 Mail Box and Bldg/Room Location: RND 8A29 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

LIT. SEARCH - U.S. PATENT No. 5,897,316

<b>STAFF USE ONLY</b>		<b>Type of Search</b>	<b>Vendors and cost where applicable</b>
Searcher:	<u>Solomon</u>	NA Sequence (#)	STN _____
Searcher Phone #:	<u>272-3509</u>	AA Sequence (#)	Dialog _____
Searcher Location:	<u>RND 8b31</u>	Structure (#)	Questel/Orbit <u>\$9.79</u>
Date Searcher Picked Up:	<u>11-10-04</u>	Bibliographic	Dr.Link _____
Date Completed:	<u>11-10-04</u>	Litigation	<u>✓ Lexis/Nexis</u> _____
Searcher Prep & Review Time:	<u>3</u>	Fulltext	Sequence Systems _____
Clerical Prep Time:		Patent Family	WWW/Internet _____
Online Time:	<u>4</u>	Other	Other (specify) _____

234290 (08) 5897316 April 27, 1999

Time of Request: November 10, 2004 09:19 AM EST

Research Information:

Utility, Design and Plant Patents  
patno=5897316

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5897316

April 27, 1999

Endodontic treatment system

**REISSUE:** Reissue Application filed Apr. 26, 2001 (O.G. Sep. 4, 2001) Ex. Gp.: 3732; Re. S.N. 09/845,599, (O.G. September 4, 2001)

March 29, 2004 - Reissue Application filed Ex. Gp.: 3732; Re. S.N. 10/811,796 (O.G. July 20, 2004)

**APPL-NO:** 234290 (08)

**FILED-DATE:** April 28, 1994

**GRANTED-DATE:** April 27, 1999

**LEGAL-REP:** Bissell, Henry M.

Selected file: PLUSPAT  
PLUSPAT - (c) Questel-Orbit, All Rights Reserved.  
Comprehensive Worldwide Patents database

\*\* SS 1: Results 1  
PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

**Patent Number :**

US5897316 A 19990427 [US5897316]

**Title :**

(A) Endodontic treatment system

**Inventor(s) :**

(A) BUCHANAN LEONARD STEPHEN (US)

**Application Nbr :**

US23429094 19940428 [1994US-0234290]

**Priority Details :**

US23429094 19940428 [1994US-0234290]

**Intl Patent Class :**

(A) A61C-005/02

**EPO ECLA Class :**

A61C-005/02B1

**US Patent Class :**

ORIGINAL (O) : 433102000

**Document Type :**

Corresponding document

**Citations :**

USD250544; US-251598; USD283840; US1307446; US3908270; US4231738;  
US4280808; US4299571; US4332561; US4340364; US4443193; US4518356;  
US4527560; US4536159; US4538989; US4634378; US4674979; US4836780;  
US4850867; US4934934; US4971556; US5017138; US5026284; US5125838;  
US5219284; EP0257961 A; EP0501255 A; FR2597327 A; FR2617704 A; FR2647663  
A; CH291668 A; CH657981 A

Mani Apical Reamer, Matsutani Seisakusho Co., Ltd. (four pages).

Single-Step Engine Reamer, Dental Products Report Jun., 1988 (one page).

**Publication Stage :**

(A) United States patent

**Abstract :**

An endodontic system of shaping instruments, irrigation cannulas, filling instruments and materials designed to safely create specific tapers of root canal preparations and to clean, dry, seal, and restore them. The shaping instruments are a series of reamers, files, and handpiece burs, made of stainless steel, nickel-titanium, or other alloys, which impart several different specifically-tapered apertures in root canals. The instruments have one or more safety features to eliminate perforating curved roots, including shorter flute length as the angle of taper increases and variable sharpness along the length of the flute portion, as well as variable flute pitch along the length of the flute portion to maximize cutting efficiency and resistance to breakage, and a rounded tip to eliminate ledging. The hand instruments have a handle designed to optimize use of the instruments in apically directed, rotary cutting motions. The irrigation cannulas, the condensation heat carriers, pluggers, injection needles, and backfillers, and the materials, including drying paper points, filling materials, and restorative post systems, have shapes which match the canal tapers created by the shaping instruments.

1 / 1 LGST - ©EPO

**Patent Number :**

US5897316 A 19990427 [US5897316]

**Application Number :**  
US23429094 19940428 [1994US-0234290]

**Action Taken :**  
20010904 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20010426

20040720 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20040329

**Update Code :**  
2004-31

1 / 1 CRXX - @CLAIMS/RRX

**Patent Number :**  
5,897,316 A 19990427 [US5897316]

**Patent Assignee :**  
Buchanan, Leonard Stephen

**Actions :**  
20010426 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010904  
REISSUE REQUEST NUMBER: 09/845599  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3732

Reissue Patent Number:

20040329 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20040720  
REISSUE REQUEST NUMBER: 10/811796  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3732

Reissue Patent Number:

Session finished: 10 NOV 2004 Time 15:21:46  
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